

Industrial Hygiene Monitoring -- Methylene Chloride during Polycarbonate Production.
VanDeMark Chemical Inc. Lockport, New York.

	Job	Duration	Task Description	Sample Media	Analytical Method	Sample Time	Result (ppm)
July 2019	QC Lab Technician	8-hour shift	Lab - Analytical; particle testing on polycarbonate	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	461	0.5
	Maintenance Mechanic	8-hour shift	Maintenance in area where process equipment operates with methylene chloride present; near area ventilation equipment	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	418	0.4
	Production Supervisor	Portion of 12-hour shift	Routine operations and transfers of equipment containing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	442	2.2
	Production Supervisor	Portion of 12-hour shift	Portion of time spent in warehouse with methylene chloride storage; time in areas where equipment handles and processes methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	416	< 0.4
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	426	3.5
	Team Leader	8-hour shift	Supervision and training with operators in areas where methylene chloride was in process	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	419	0.4
	Utility (Chemical) Operator	8-hour shift	Offloading waste water with methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	422	2.9
	Area Sample - Production	8-hour shift	Located near filter/dryer and packout area for polycarbonate process.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	420	0.99
	Area Sample - Production	8-hour shift	Located next to methylene chloride condenser/recovery system	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	421	3.5
	Area Sample - QC Lab	8-hour shift	Located in lab next to particle size counter	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	463	1.6
February 2018	QC Lab Technician	9-hour shift	Several samples analyzed which contained methylene chloride.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	518	< 0.3
	QC Lab Technician	10-hour shift	Several samples analyzed which contained methylene chloride.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	612	< 0.2
	Management	8-hour shift	Primarily office work, periodic tours of process areas with methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	488	< 0.3
	Chemical Operator	Short Shift Exposure	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	195	< 0.8
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	582	4.1
	Team Leader	Portion of 12-hour shift	Offloading waste water with methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	545	< 0.3
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing and handling methylene chloride; operation and maintenance work on precipitator	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	490	6.9
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	489	< 0.3
	QC Lab Technician	12-hour shift	Night shift lab tech; analyzing samples containing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	720	< 0.2
July 2018	Area Sample - Auxiliary Building (Day Shift)	12-hour shift	Located in area away from process equipment but in potential impact zone depending on wind speed and direction	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	899	0.45
	Area Sample - Production (Day Shift)	12-hour shift	Located next to and under vessel containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	901	0.3
	Area Sample - Production (Day Shift)	12-hour shift	Located near area where methylene chloride is reclaimed from process vent	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	899	0.2
	Area Sample - Production (Day Shift)	12-hour shift	Located between 2 vessels containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	898	0.3
	Area Sample - Production (Day Shift)	12-hour shift	Located in corner of building near vessels containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	896	0.41
	Area Sample - Production (Day Shift)	12-hour shift	Located next to vessel used to charge methylene chloride to process vessels	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	896	0.3
	Area Sample - Production (Day Shift)	12-hour shift	Located next to methylene chloride condenser/recovery system	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	895	0.34
	Area Sample - Auxiliary Building (Night Shift)	12-hour shift	Located in area away from process equipment but in potential exposure zone depending on wind speed and direction	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	616	0.89
	Area Sample - Production (Night Shift)	12-hour shift	Located next to and under vessel containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	614	0.3
	Area Sample - Production (Night Shift)	12-hour shift	Located near area where methylene chloride is reclaimed from process vent	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	613	0.3
	Area Sample - Production (Night Shift)	12-hour shift	Located between 2 vessels containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	614	0.5
	Area Sample - Production (Night Shift)	12-hour shift	Located in corner of building near vessels containing and processing methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	614	< 0.2
	Area Sample - Production (Night Shift)	12-hour shift	Located next to vessel used to charge methylene chloride to process vessels	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	613	0.5
	Area Sample - Production (Night Shift)	12-hour shift	Located next to methylene chloride condenser/recovery system	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	612	0.3
May 2016	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing and handling methylene chloride	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	420	< 0.4
June 2016	Chemical Operator	12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	720	1.5
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	420	1.8
	Chemical Operator	Portion of 12-hour shift	Operating equipment flowing, handling and sampling methylene chloride containing product.	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	420	0.83
	Area Sample - Exhaust from Tank Vent Flame Arrestor	Portion of 12-hour shift	Located in area not occupied by personnel; vent exhaust line from storage tank	Assay 566-A	mod. NIOSH 1005; GC/FID Badge	420	14